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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/721,660

11/25/2003

Senthil Natesan

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05/05/2006

NAVTEQ NORTH AMERICA, LLC
222 MERCHANDISE MART
SUITE 900, PATENT DEPT.
CHICAGO, IL 60654

EXAMINER

SETLAK, ANDREW T

ART UNIT

PAPER NUMBER

2166

DATE MAILED: 05/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/721,660

Applicant(s)

NATESAN ET AL.

Examiner

Andrew Setlak

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 47-65 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 47-65 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/25/2003</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 48 & 55 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Regarding claims 48 & 55, the phrase "substantially uniform" renders the claim(s) indefinite because the claim(s) include(s) elements not actually disclosed (those encompassed by "substantially"), thereby rendering the scope of the claim(s) unascertainable. See MPEP § 2173.05(d).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 47-65 are rejected under 35 U.S.C. 102(e) as being anticipated by US

Patent No. 6,278,939 (henceforth referred to by Robare et al.).

Claim 47 is anticipated by Robare et al. as follows: **A method of operation for a navigation system comprising: using a repository for geographic data, wherein the repository contains a plurality of pre-computed parcels of geographic data, wherein each of said parcels of geographic data corresponds to a separate one of a plurality of geographic sub-areas into which a geographic region is divided (figure 5; C2:L19-23); calculating a route from an origin to a destination (C3:L44); and providing to a local memory from said repository a plurality of parcels corresponding to said geographic sub-areas said route passes through (C3:L56-61).**

Claim 48 is anticipated by Robare et al. as in claim 47, **wherein said parcels of geographic data have a substantially uniform data size (C14:L54-61).**

Claim 49 is anticipated by Robare et al. as in claim 47, **further comprising: on a server, receiving a request for said route (C3:L49-53); and sending to a client computing platform said parcels corresponding to said geographic sub-areas said route passes through to a client computing platform (C3:L56-61).**

Claim 50 is anticipated by Robare et al. as in claim 47, **further comprising: storing said provided parcels in a memory (figure 6; C3:L56-67; C10:L9-13).**

Claim 51 is anticipated by Robare et al. as in claim 47, **further comprising: using data from said provided parcels to display a map (C3:L63-67).**

Claim 52 is anticipated by Robare et al. as in claim 47, **further comprising: using data from said provided parcels to explicate said route (C3:L67-C4:L2).**

Claim 53 is anticipated by Robare et al. as in claim 47, **further comprising: using data from said provided parcels to find information about a point of interest based upon specified criteria (C3:L44-45).**

Claim 54 is anticipated by Robare et al. as in claim 53, **wherein the specified criteria include location-based criteria (C3:L44-45).**

Claim 55 is anticipated by Robare et al. as in claim 47 and claims 48-54, **wherein the repository includes a plurality of collections of geographic data, wherein each collection represents the entire geographic region, wherein each collection is organized into a plurality of parcels of a substantially uniform size, and wherein the parcels in one of said plurality of collections contains data that represents different attributes of the represented geographic features than the parcels in another of said plurality of collections (C4:L22-29; C14:L54-61).**

Claim 56 is anticipated by Robare et al. as follows: **A navigation system comprising: a repository for geographic data, wherein the repository contains pre-computed parcels of geographic data, wherein each of the pre-computed parcels of geographic data corresponds to a separate one of a plurality of geographic sub-areas into which a geographic region is divided (figure 5; C2:L19-23); a route calculation application that calculates a route from an origin to a destination (C3:L44); and a geographic data providing application that provides to a local memory from said repository a plurality of parcels corresponding to said geographic sub-areas said route passes through (C3:L56-61).**

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Claim 57 is anticipated by Robare et al. as in claim 56, **wherein said pre-computed parcels of geographic data have a substantially uniform data size** (C14:L54-61).

Claim 58 is anticipated by Robare et al. as in claim 56, **wherein said repository for geographic data and said geographic data providing application are associated with a server** (C3:L49-61).

Claim 59 is anticipated by Robare et al. as in claim 56, **further comprising: a route guidance application that uses data contained in said parcels from said local memory to provide maneuvering instructions for following said route** (C12:L10-16).

Claim 60 is anticipated by Robare et al. as in claim 56, **further comprising: a map display application that uses data contained in said parcels from said local memory to provide a map of said route on a display** (C3:L67-C4:2).

Claim 61 is anticipated by Robare et al. as in claim 56, **further comprising: a positioning application that uses data contained in said parcels from said local memory to determine a position of a end user computing platform relative to roads represented by data contained in said parcels** (C10:L16-18).

Claim 62 is anticipated by Robare et al. as in claim 56, **further comprising: a positioning application that uses data contained in said parcels from said local memory to determine whether an end user computing platform has departed from said route** (C4:L10-14).

Claim 63 is anticipated by Robare et al. as in claim 62, **wherein if said end user computing platform has departed from said route, said positioning application calculates a way back to said route using data contained in said parcels from local memory (C12:L35-39).**

Claim 64 s anticipated by Robare et al. as follows: **A method of operation for a navigation system comprising: using a repository for geographic data, wherein the repository contains a plurality of parcels of geographic data, wherein each of said parcels contain routing data corresponding to a separate one of a plurality of geographic sub-areas into which a geographic region is divided (figure 5; C2:L19-23); calculating a route from an origin to a destination (C3:L44); and providing to a local memory from said repository a plurality of parcels of routing data corresponding to geographic sub-areas located along said route (C3:L56-61).**

Claim 65 is anticipated by Robare et al. as in claim 64, **further including: using data from said parcels in said local memory to provide navigation-related features (C2:L19-23).**

Information Disclosure Statement

Applicants' Information Disclosure Statements, filed on 11/25/2003 have been received, entered into the record, and considered. See attached PTO-1449 forms.

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Conclusion

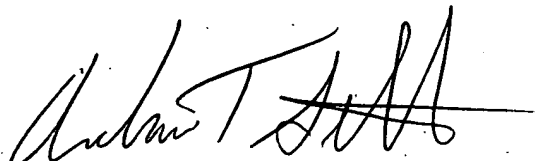
The prior art made record of on form PTO-892 and not relied upon is considered pertinent to the applicants' disclosure.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Setlak whose telephone number is (571) 272-4060. The examiner can normally be reached on M-F 10:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Andrew Setlak
Patent Examiner
4/30/2006



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